Tech in the World
Global health fellowships for tomorrow's leaders in technology

Tech in the World: January Tanzania Pilot Program
Updated: November 16, 2012

Mission: Tech in the World seeks to create world-class opportunities for top computer science students to experience the field of global health. We provide a global, hands-on experience for top computer science students to apply their technical expertise to solve critical issues in the developing world. We seek to develop tomorrow's leaders in technology.

Vision: Tech in the World intends to become a premier fellowship program, recruiting the best computer science students from around the nation, and providing a transformational overseas program in global health or global development.

More information on the mission, vision, background, problem statement, and theory of change can be found on our website at www.techintheworld.org/proposal

Pilot Program

Overview
We are currently planning a 4-week pilot program (Dec 22 - Jan 19) in Dar es Salaam, Tanzania. We have put together a team of 4 top-notch computer science students at Harvard, and we will be partnering with Bienmoyo Foundation and the Association for Private Health Facilities in Tanzania (APHFTA) to improve their electronic medical records for maternal health care. We have also recruited a film student to film a documentary of the experience.

Partners on the Ground
We spent most of September reaching out to potential partners and exploring an opportunity for partnership. After speaking with about 8 potential partners, we closed down our outreach process, evaluated the opportunities, and ultimately decided to work with Bienmoyo and APHFTA.

Bienmoyo is a foundation focused on health through public-private partnerships in the regions of Tanzania and Kenya. In particular, their flagship product is mMaisha (http://bienmoyo.org/mmaisha), a mobile health platform and electronic medical record system deployed in 20+ clinics and with 6000+ registered women (mMaisha currently focuses on maternal health). APHFTA is the largest association of private health clinics in East Africa, with over 500 clinics. We chose to work with Bienmoyo/APHFTA, because they have previously worked with Harvard undergraduates (as well as Wharton and MIT students) and because the technical work around the EMR system was most appealing.

Our main point of contact is Lushen Wu, who is the Executive Director for Bienmoyo Foundation and also sits on their Board of Directors. We have obtained letters of commitment from Dr. Ogillo, CEO of APHFTA, and Lushen.

Planned Work
There are a number of well-defined projects that we will work on with Bienmoyo and APHFTA:

- Creation of improved membership database (currently based on Excel)
- Overhaul the Continuing Medical Education module of mMaisha
- General improvement of user experience & engagement
- Improve overall software architecture; implement best practices

Most of this work will occur in APHFTA's offices in Dar es Salaam, but we also expect to make field visits at clinics in Tanga or Moshi. We will begin our preparation before departure by defining technical specifications, familiarizing ourselves with the codebase, and working on a project together to build teamwork experience.

Logistics
We are likely going to take a bus to NYC and then fly to Dar es Salaam, as we've found cheaper tickets from NYC than from BOS. We are exploring the possibility of a homestay to enhance the cultural immersion but also have been referred to an Econolodge where we can live.

Team Bios
All bios may be found on our website at www.techintheworld.org/team

Other Pilot Features
Documentary: We are bringing a VES student to create a documentary of the entire experience. He will spend time exploring and interviewing the locals, APHFTA, and employees in the Tanzanian health system. Our purpose is to:
1. Create media materials to build a brand, visualize the experience, and spread our message after the pilot.
2. Have a student spend additional time understanding the context of our work (e.g., the social forces underlying health outcomes) to better understand the importance of our work and how it fits in.
3. Create internal documentation to evaluate the pilot, learn from mistakes and successes, and serve as a template for future fellowship programs.

Research and Evaluation: We plan on conducting surveys and building metrics software to evaluate the usefulness and usability of all our software. We will also be evaluating both the students' experience and the partners' experience to improve our program for future years.

Professional Mentorship: We will be contacting professionals for mentorship, training, and best practices. The Technical Lead at ZocDoc (NYC Health IT company) has already agreed to be one of our mentors.

Budget
Our current budget estimates are as follows:

Item Description	Reference/Notes	Cost
Airfare (JFK-DAR roundtrip)	Expedia.com, 11/05/2012	$1,700 x 5 = $8,500
Housing	http://www.econohotel.8m.com/	$65/night x 28 = $1,820
Stipend (food, ground transport, etc.)	APHFTA estimations	$500/person x 5 = $2500
Visas		$100 x 5 = $500
Total		**$13,320**

Grants received: Resolution Project grant, October 7, for $1,500 (cannot be used for pilot program); SEAS Nectar Fund, for $2000
Grants submitted: Awesome Foundation, for $1,000 (notified late November)